

Results of Analyses
Wastewater Spill Monitoring –
Beachwalk SPS Spill (Shoreline Stations)
May 15, 2006

Samples collected Sunday, May 14, 2006 (52nd day):
Spill reported on March 24, 2006.
NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform^{iv}</u>	<u>Enterococci^v</u>	<u>C. perfringens^{vi}</u>	
Magic Island Finger	8:44 A.M.	28	11	5	32.5
Ala Moana Canoe Launch Ramp	8:34 A.M.	40	3	66	26.0
Magic Island Lagoon	8:48 A.M.	1	< 1	3	34.1
Ala Wai Harbor Boat Launch Ramp	6:53 A.M.	230	190	2	25.8
Hilton Lagoon	7:01 A.M.	< 1	2	1	34.0
Hale Koa Hotel	7:10 A.M.	4	1	1	34.0
Halekulani-Sheraton	7:20 A.M.	10	1	1	34.1
Moana Hotel	7:33 A.M.	1	2	1	34.3
Kapahulu Groin	7:38 A.M.	16	14	1	33.7
Queen's Surf Beach	7:46 A.M.	< 1	2	< 1	34.3
Natatorium	7:51 A.M.	< 1	< 1	2	34.3

Weather: Partly cloudy.

Results of Analyses

Wastewater Spill Monitoring – Beachwalk SPS Spill

May 15, 2006

Samples collected Sunday, May 14, 2006 (52nd day):

Spill reported on March 24, 2006.

NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform</u> ⁴	<u>Enterococci</u> ⁵	<u>C. perfringens</u> ⁶	
Date St.Bridge- Upstream	6:32 A.M.	4,000	2,000	140	0.3
Seaside Ave.- Upstream	8:03 A.M.	Est. 1,100	110	18	21.5
Kaiolu St.-Spill site	8:07 A.M.	2,600	1,000	76	7.2
McCully St. Bridge.	6:43 A.M.	Est. 820	Est. 620	31	13.7
Ala Moana Blvd. Bridge	6:46 A.M.	Est. 650	500	21	18.2

Weather: Partly cloudy

⁴ APHA, AWWA, WEF, Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992, Membrane Filter Method for Fecal Coliform.

⁵ Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and *Escherichia coli*, EPA/821/R-97/004, March 2000, Membrane Filter Method 1600 for Enterococci.

⁶ Bisson, J.W., Cabelli, V.J., "Membrane Filter Enumeration Method for *Clostridium perfringens*," Applied and Environmental Microbiology, Jan 1978; Armon, R., Payment, P., "A Modified mCP Medium for Enumerating *C. perfringens* from Water Samples," Canadian Journal of Microbiology, 1988.